



1201.63069

PATENT APPLICATION

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Andrew C. Singer )

Patent No.: 7,016,440 )

Serial No.: 09/640,204 )

Conf. No.: 3214 )

Issued: 3/21/2006 )

Filed: 8/16/2000 )

For: ITERATIVE MMSE EQUALIZATION-  
DECODER SOFT INFORMATION  
EXCHANGE DECODING METHOD  
AND DEVICE )

Art Unit: 2637 )

Examiner: Jean B. Corrielus )

I hereby certify that this paper is being deposited with  
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Corrections Branch, Commissioner for Patents, P.O.  
Box 1450, Alexandria, VA 22313-1450, on this date.

7-14-06

Date

Registration No. 43,874  
Attorney for Applicant(s)

**Certificate**  
JUL 21 2006  
**of Correction**

**REQUEST FOR CERTIFICATE OF CORRECTION UNDER RULE 322**

Attn: Certificate of Corrections Branch  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

In accordance with 37 C.F.R. 1.322, patentees, through their attorneys,  
respectfully request that a Certificate of Correction be issued in the above-referenced patent.

The errors occurred as a result of mistakes on the part of the Patent and  
Trademark Office and the changes include the following:

JUL 21 2006

In the Issued Patent:

Col. 5, line 4, before " $\pi_{in}^D$ ", please delete "in". (Specification, page 7, line 20).

Col. 6, line 65, before " $\pi_{in}^E$ ", please delete "TE". (Specification, page 10, line 19).

Col. 8, line 1, please delete " $X^{(+)}$ ", and insert -- $X^{(n+1)}$ -- therefor. (Specification, page 12, line 15).

Col. 8, line 3, please delete " $\pi^{n+1}$ ", and insert -- $\pi^{(n+1)}$ -- therefor. (Specification, page 12, line 17).

Col. 11, line 24, please delete " $\bar{\pi}^{(a)}$ " and insert -- $\bar{\pi}^{(n)}$ -- therefor. (Amendment F, page 5, line 1; Claim 14, line 1).

Col. 11, line 25, please delete " $\bar{x}^{(a)}$ " and insert -- $\bar{x}^{(n)}$ -- therefor.

Amendment F, page 5, line 2; Claim 14, line 8).

Col. 11, line 26, please insert a bracket --[-- between “ $\underline{\Delta}$ ” and “ $bb^{(n)}$ ”.

(Amendment F, page 5, line 3; Claim 14, line 9).

Col. 12, line 1, after “ $x[N_2]^T$ ”, please insert --

$\vec{\pi}^{(0)} = [0, 0, \dots, 0, \pi_{IN}^E[0], \pi_{IN}^E[1], \dots, \pi_{IN}^E[N_2 + L_1]]^T$  --. (Amendment F, page 5, line 7, Claim 14, line 13).

Col. 12, line 11, please delete “ $H \vec{bb}^{(n)}$ ” and insert “ $H \vec{mb}^{(n)}$ ” -- therefor.

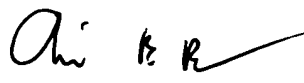
(Amendment F, page 5, line 14, Claim 14, line 20).

### REMARKS

A Certificate of Correction incorporating the delineated change is enclosed in duplicate herewith. Since the mistake was on the part of the Patent and Trademark Office, a Certificate of Correction should be issued without expense to the patentee and such is respectfully requested.

Respectfully submitted,

GREER, BURNS & CRAIN, LTD.

By   
Arik B. Ranson  
Registration No. 43,874

**Customer No. 24978**

July 14, 2006

300 South Wacker Drive  
Suite 2500  
Chicago, Illinois 60606  
Telephone: (312) 360-0080  
Facsimile: (312) 360-9315

JUL 21 2006

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(Amendment F, page 5, line 14, Claim 14, line 20).

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Suite 2500

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Telephone: (312) 360-0080

Facsimile: (312) 360-9315

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## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 7,016,440  
DATED : March 21, 2006  
INVENTOR(S) : Singer et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

### In the Issued Patent:

Col. 5, line 4, before " $\pi_{in}^D$ ", please delete "in".

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Col. 12, line 11, please delete " $H \overset{\rightarrow (n)}{bb}$ " and insert --  $H \overset{\rightarrow (n)}{mb}$  ) -- therefor.

MAILING ADDRESS OF SENDER:

Steven P. Fallon  
GREER, BURNS & CRAIN, LTD.  
300 South Wacker Drive, 25th Floor  
Chicago, IL 60606

Page 1 of 1

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PATENT NO 7,016,440



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